REC 16-100

Knollwood Energy of MA LLC
P.O. Box 30
Chester, New Jersey 07930

NHPUC 13JAN'16AM11:14

January 8, 2016

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find applications for 10 systems to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.
Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN0415.

Paul Barker	Bill Haig
Darren Blood	John Hanson
Mike Blichmann	Peter and Elaine Klose
Rod Gagnon	Charlie Lovett
Zachary Gardner	Robert McDonald

Please feel free to contact me with any questions or further instructions.
Thank you for your consideration,

Linda Modica
New England REC Operations Manager
Knollwood Energy of MA LLC
973.879.7826
linda@knollwoodenergy.com

Who is submitting this request?

Aggregator

Aggregator Batch Number

KN0415

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

Mike Blichmann

Owner Prefix

Mr.

Facility Owner email

MBlichmann@comcast.net

Owner Phone

603-228-8515

Facility Address

335 Buck Street

Facility Town/City

Pembroke

Facility State

NH

Facility Zip

03275

Is the facility address the same as the owner's mailing address

- (●) Yes
- ( ) No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact (who should we call with questions)

Linda Modica

Contact Phone

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

Date of Utility Signoff

07/26/2015

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON52782

Facility Operator Name, if applicable

Panel Quantity

22

Panel Make

SunEdison

Panel Model

F270

Panel Rated Output

270

System capacity based on panels

5.9400

Inverter Quantity

22

Inverter Make

Enphase Energy

Additional Inverter

Rated Output

215

System capacity based on inverters

4.73

System capacity in mW as stated on the interconnection agreement

4.73

Revenue Grade Meter Make

AEE Solar

Was this facility installed directly by the customer (no electrician involved)?

- ○ Yes
- ◉ No

Date of Electrician Signoff

Sign-off Electrician's License Number

12245M

Installation Company

SunRay Solar

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name

Paul Button

Monitor Company Name

Energy Audits Unlimited

Monitor Company Name

Monitor Company Name

Monitor Company Name

Other Monitor Company Name

Is the installer also the equipment vendor?

- ○ Yes
- ◉ No

Equipment Vendor

SunEdison

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-5830882_YnQOdHCu_N3572_Blichmann_PV_-_Process

The project described in this application will meeet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independant minitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independant monitor that the meter operaes according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facilitiy's interconnection agreement is attached.

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-168-5830882_VQkMp40A_N3572_Blichmann_PV_-_Certific

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-5830882_VvvxTGFy_Blichmann_NHOS.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.

Print Name

Linda Modica

Date Signed

01/07/2016

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JUN 16 2015

SESD

EVERSOURCE

INTERCONNECTION STANDARDS FOR INVERTERS

SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: N3572

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): Mike Blichmann

Contact Person, if Company:

Mailing Address: 335 Buck St

City: Pembroke State: NH Zip Code: 03275

Telephone (Daytime): 603-228-8515 (Evening):

Facsimile Number: E-Mail Address: MBlichmann@comcast.net

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: SunRay Solar, LLC

Mailing Address: 124A Hall St

City: Concord State: NH Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening):

Facsimile Number: E-Mail Address: Rick@SpreadTheSunshine.com

Electrical Contractor Contact Information (if appropriate):

Name: SunRay Solar, LLC

Mailing Address: 124A Hall St

City: Concord State: NH Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening):

Facsimile Number: E-Mail Address: Brian@SpreadTheSunshine.com

Facility Site Information:

Facility (Site) Address: 335 Buck St

City: Concord Pembroke State: NH Zip Code: 03275

Electric

Service Company: Eversource Account Number: 56403290083 Meter Number: S70997648

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request # _____

Non-Default' Service Customers Only:

Competitive Electric

Energy Supply Company: _____ Account Number: _____

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ Inverter Manufacturer: Enphase Model Name & Number: M215 Quantity: 22

Nameplate Rating: M215 (kW)_____(kVA)_____(AC Volts) Phase: Single ☒ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: 4.73 (kW)_____ (kVA) Battery Backup: Yes ☐ No ☒

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☒ No ☐

Prime Mover: Photovoltaic ☒ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other_____

Energy Source: Solar ☒ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other_____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant **(Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)**
Yes ☒ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. ***Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.***

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be **installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'**
Yes ☒ No ☐

Location of External Manual Disconnect Switch: Located outside next to meter.

Project Estimated Install Date: July Project Estimated In-Service Date: July

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: _____ Title: owner Date: 6/15/15

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☒ To be Determined ☐

Company Signature: _____ Title: Associate Engineer Date: 6/18/15

RECEIVED
JUL 01 2015
By

Eversource
Interconnection Standards For Inverters Sized Up To 100 kVA
Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: ☐ Check if owner-installed

Customer or Company Name (print): Mike Blichmann

Contact Person, if Company: _____

Mailing Address: 335 Buck St

City: Pembroke State: NH Zip Code: 03275

Telephone (Daytime): 603-228-8515 (Evening): _____

Facsimile Number: _____ E-Mail Address: MBlichmann@comcast.net

Facility Information: → Eversource Meter # S70997648

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): SunRay Splar, LLC

Mailing Address: 124A Hall St

City: Concord State: NH Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening): _____

Facsimile Number: _____ E-Mail Address: Brian@SPreadTheSunshine.com

License number: 12245M

Date of approval to install Facility granted by the Company: 06-18-2015

Eversource Application ID number: #N 3572

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: Town of Pembroke County: Merrimack

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):

Signature: _____

Name (printed): Everett Hodge Date: 6-26-15

Customer Certification:

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.

Customer Signature: _____

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

MB Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

MB A revenue quality meter is used to measure the electricity generated.

MB The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

MB The meter shall be maintained according to the manufacturer's recommendations.

MB The project is installed and operating in conformance with applicable building codes.

MB A copy of the facility's interconnection agreement is attached.

Michael Blichmann

Printed Name of signature owner

Michael Blichmann (Sep 10, 2015)

Signature of system owner